

CLAIMS:

1. A flexible planar laminate comprising a layer of kraft paper to which is adhered a vapor barrier layer consistently essentially of high density polyethylene (HDPE) or of polypropylene to which is adhered an adhesive layer of low density polyethylene (LDPE).

2. The flexible planar laminate of claim 1 which comprises from 2 to 10 pounds of HDPE and from 3 to 10 pounds of LDPE per 3000 square feet of kraft paper having a weight of 30 to 50 pounds per 3000 square feet.

3. The flexible planar laminate of claim 2 which comprises 7 pounds of HDPE and 5 pounds of LDPE per 3000 square feet of kraft paper.

4. The flexible planar laminate of claim 1 in which the barrier layer is HDPE and the softening point of the LDPE is from 25 to 75 F° lower than the softening point of the HDPE.

5. The flexible planar laminate of claim 1 in which the barrier layer is polypropylene and the softening point of the LDPE is from 50 to 150 F° lower than the softening point of the polypropylene.

6. A process for preparing a fiberglass insulation product which comprises the steps of:

(a) providing a layer of kraft paper,

(b) coating the kraft paper layer with HDPE or polypropylene to form an HDPE-kraft laminate or a polypropylene-kraft laminate,

(c) coating the HDPE-kraft laminate or polypropylene-kraft laminate with LDPE to form an LDPE-HDPE-kraft laminate or an LDPE-polypropylene-kraft laminate,

(d) adjusting the temperature of the LDPE-HDPE-kraft laminate or the LDPE-polypropylene-kraft laminate so that the LDPE becomes tacky while the HDPE or polypropylene remains solid,

(e) providing a layer of fiberglass wool, and

(f) contacting the LDPE layer of the LDPE-HDPE-kraft laminate or of the LDPE-polypropylene-kraft laminate with the fiberglass wool layer with pressure and cooling to bond said LDPE-HDPE-kraft laminate or LDPE-polypropylene-kraft laminate to said fiberglass wool layer to form a fiberglass insulation product.

7. The process of claim 6, which comprises the steps of:

(b) coating the kraft paper layer with from 2 to 10 pounds of HDPE or of polypropylene per 3000 square feet of said paper to form the HDPE-kraft laminate or polypropylene-kraft laminate, and

(c) coating the HDPE-kraft laminate or polypropylene-kraft laminate with from 3 to 10 pounds of LDPE per 3000 square feet of said HDPE-kraft laminate or polypropylene-kraft laminate to form the LDPE-HDPE-kraft laminate or LDPE-polypropylene-kraft laminate.

8. The process of claim 6 wherein the temperature is adjusted with an infra-red heater, a microwave heater, or a rotating hot roll.

9. A fiberglass insulation product comprising a layer of fiberglass wool and a flexible planar laminate comprising an external support layer of kraft paper to which is adhered a central vapor barrier layer of high density polyethylene (HDPE) or of polypropylene to which is adhered an internal adhesive layer of low density polyethylene (LDPE).

10. The fiberglass insulation product of claim 9 in which the flexible planar laminate comprises from 2 to 10 pounds of HDPE and from 3 to 10 pounds of LDPE per 3000 square feet of kraft paper having a weight of 30 to 50 lbs/ft².

11. The fiberglass insulation product of claim 10 in which the flexible planar laminate comprises 7 pounds of HDPE and 5 pounds of LDPE per 3000 square feet of kraft paper.